

Table of Contents Volume 103

AHMED, A.: Organization of the <i>Histidine-3</i> Region of <i>Neurospora</i>	185
AHUJA, M.R.: An Hypothesis and Evidence Concerning the Genetic Components Controlling Tumor Formation in <i>Nicotiana</i>	176
AUERBACH, C., and D. RAMSAY: Analysis of a Case of Mutagen Specificity in <i>Neurospora crassa</i> . I. Dose-response Curves	72
— — Erratum. For the paper Analysis of a Case of Mutagen Specificity in <i>Neurospora crassa</i> . I. Dose-response Curves	384
BÖHME, H., and E. GEISSLER: Repair of Lesions Induced by Photodynamic Action and by Ethyl Methanesulfonate in <i>E. coli</i>	228
— s. J. HOFEMEISTER	258
BOVÉ, C., s. W. GUSCHLBAUER <i>et al.</i>	150
BOVÉ, J.M., s. W. GUSCHLBAUER <i>et al.</i>	150
BRIDGES, B.A., J. LAW, and R.J. MUNSON: Mutagenesis in <i>Escherichia coli</i> . II. Evidence for a Common Pathway for Mutagenesis by Ultraviolet Light, Ionizing Radiation and Thymine Deprivation	266
CAMPBELL, J.H., s. J. LANGRIDGE	339
CARERE, A., s. G. SERMONTI	141
CORRAN, J.: The Induction of Supersuppressor Mutants of <i>Bacillus subtilis</i> by Ethyl Methanesulphonate and the Posttreatment Modification of Mutation Yield.	42
COURTOIS, Y., s. W. GUSCHLBAUER <i>et al.</i>	150
DONCH, J., and J. GREENBERG: Genetic Analysis of <i>Ion</i> Mutants of Strain K-12 of <i>Escherichia coli</i>	105
DUBNAU, E., and W.K. MAAS: Inactivation of a Newly Transferred Gene in Recombination-Deficient Recipients of <i>Escherichia coli</i>	305
EHRMAN, L.: Antibiotics and Infectious Hybrid Sterility in <i>Drosophila paulistorum</i>	218
FRISTROM, D.: Cellular Degeneration in the Production of some Mutant Phenotypes in <i>Drosophila melanogaster</i>	363
GEISSLER, E.: Reactivation of Photodynamically Inactivated Lambda Phages.	233
— s. H. BÖHME	228
GORLENKO, ZH. M., s. R.B. KHESIN <i>et al.</i>	194
GREEN, M.M.: Some Genetic Properties of Intrachromosomal Recombination.	209
GREENBERG, J., s. J. DONCH	105
GUEST, J.R., s. W.A. VENABLES	127
GUNDELACH, E., s. F.K. ZIMMERMANN	348
GUSCHLBAUER, W., Y. COURTOIS, C. BOVÉ, and J.M. BOVÉ: Optical Investigations on Double Stranded Ribonucleic Acid from Turnip Yellow Mosaic Virus	150
HESS, O.: The Function of the Lampbrush Loops Formed by the Y Chromosome of <i>Drosophila hydei</i> in Spermatocyte Nuclei	58
HOFEMEISTER, J., and H. BÖHME: Interaction between <i>R</i> -Factors and the Host Cells. I. Lethal Interference between <i>R</i> -Factor Determined Streptomycin Resistance and Streptomycin Dependence in <i>Proteus mirabilis</i>	258
ILYINA, T.S., s. R.B. KHESIN <i>et al.</i>	194
JANDA, H.-G., and H.G. WITTMANN: Ribosomal Proteins. V. Comparison of Protein Patterns of 70 S and 80 S Ribosomes from Various Plants by Polyacrylamide Gel Electrophoresis.	238
KHESIN, R.B., S. Z. MINDLIN, ZH. M. GORLENKO, and T. S. ILYINA: Temperature Sensitive Mutations Affecting RNA Synthesis in <i>Escherichia coli</i>	194
KOLTIN, Y.: The Structure of the Incompatibility Factors of <i>Schizophyllum commune</i> : Class II factors	380

KRIEG, R.H., and G.S. STENT: Bacterial Genetic Factors Controlling the Suppression of T 4 Phage <i>Amber</i> Mutants. I. Suppression Patterns of a Collection of <i>E. coli</i> Strains	274
— — Bacterial Genetic Factors Controlling the Suppression of T 4 Phage <i>Amber</i> Mutants. II. Suppression Patterns among the Segregants of Bacterial Crosses.	294
LANGRIDGE, J.: Thermal Responses of Mutant Enzymes and Temperature Limits to Growth	116
—, and J. H. CAMPBELL: Classification and Intragenic Position of Mutations in the β -Galactosidase Gene of <i>Escherichia coli</i>	339
LAW, J., s. B. A. BRIDGES <i>et al.</i>	266
MAAS, W.K., s. E. DUBNAU.	305
MINDLIN, S.Z., s. R.B. KHESIN <i>et al.</i>	194
MIURA, A., and J. TOMIZAWA: Studies on Radiation-sensitive Mutants of <i>E. coli</i> . III. Participation of the Rec System in Induction of Mutation by Ultraviolet Irradiation.	1
MORTIMER, R.K., s. S. NAKAI.	329
MUNSON, R.J., s. B.A. BRIDGES <i>et al.</i>	266
NAKAI, S., and R.K. MORTIMER: Studies of the Genetic Mechanism of Radiation-Induced Mitotic Segregation in Yeast.	329
OBE, G.: Zur Wirkung von Miracil auf menschliche Leukozytenchromosomen <i>in vitro</i>	326
OHKI, M., and H. OZEKI: Isolation of Conjugation-Constitutive Mutants of Colicin Factor Ib	37
OZEKI, H., s. M. OHKI	37
PRASAD, I. Estimation of Nuclear Ratio and its Influence on the Rate of Growth of <i>Aspergillus niger</i> Heterocaryon	223
PUGLISI, P.P.: Antimutagenic Activity of Actinomycin D and Basic Fuchsin in <i>Saccharomyces cerevisiae</i> .	248
RAMSAY, D., s. C. AUERBACH	72, 384
RAVIN, A.W., s. M.B. ROTHHEIM	159
ROTHEIM, M.B., and A.W. RAVIN: Inactivation and Reversion of Multisite Streptomycin Resistance Mutations of <i>Pneumococcus</i>	159
RYAN, S.L., and G.B. SAUL 2nd: Post-Fertilization Effect of Incompatibility Factors in <i>Mormoniella</i>	29
SARKAR, S., and L. SCHILDE-RENTSCHLER: Interaction of TMV-Proteins during Electrophoretic Separation in Polyacrylamide Gels	244
SAUL, G.B., 2nd, s. S.L. RYAN	29
SCHILDE-RENTSCHLER, L., s. S. SARKAR	244
SEKIGUCHI, T., s. T.H. YOSIDA	253
SERMONTI, G., and A. CARERE: Mechanism for Polarized Recombination in <i>Streptomyces</i>	141
STEIGER, H.: Repressor-defekte Mutanten, virulente Mutanten und Adsorptionsresistenz lysogener Zellen beim Phagen α von <i>Serratia</i>	21
STENT, G.S., s. R.H. KRIEG	274, 294
TOMITA, T.: On the Transcription of the Φ 80 Phage Genome	313
TOMIZAWA, J., s. A. MIURA	1
VENABLES, W.A., and J.R. GUEST: Transduction of Nitrate Reductase Loci of <i>Escherichia coli</i> by Phages P1 and λ .	127
WITTMANN, H.G., s. H.-G. JANDA.	238
YOSIDA, T.H., and T. SEKIGUCHI: Metaphase Figures of Rat Chromosomes incorporated into Mouse Cells	253
ZIMMERMANN, F.K.: The effect of Liquid Holding on Chemical Induced Lethality and Mitotic Gene Conversion in <i>Saccharomyces cerevisiae</i> .	11
—, and E. GUNDELACH: Intragenic Complementation, Hybrid Enzyme Formation and Dominance in Diploid Cells of <i>Saccharomyces cerevisiae</i>	348

274

294

116

339

266

305

194

1

329

266

329

326

37

37

223

248

484

59

59

29

244

29

44

253

41

21

294

113

1

27

38

253

11

48